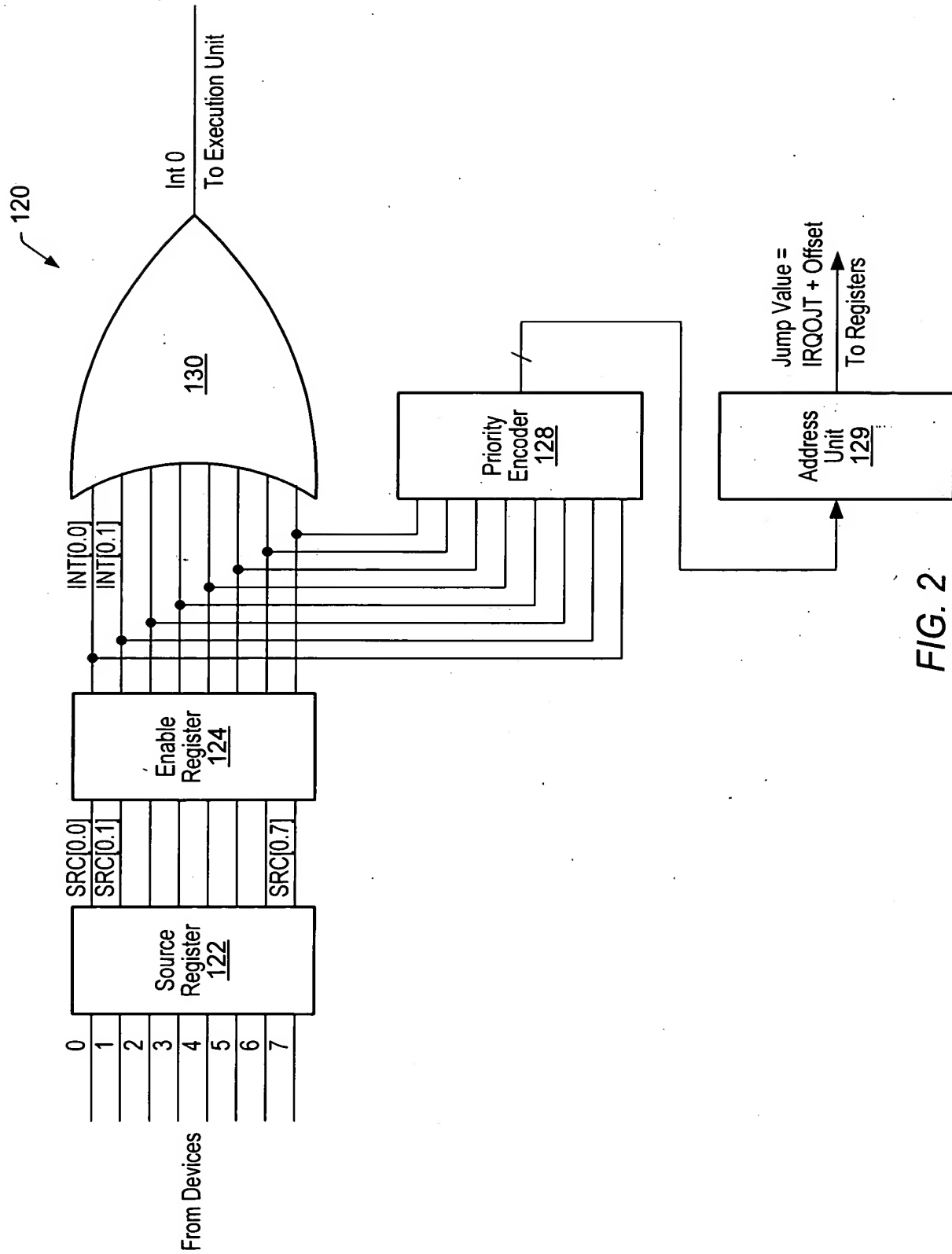
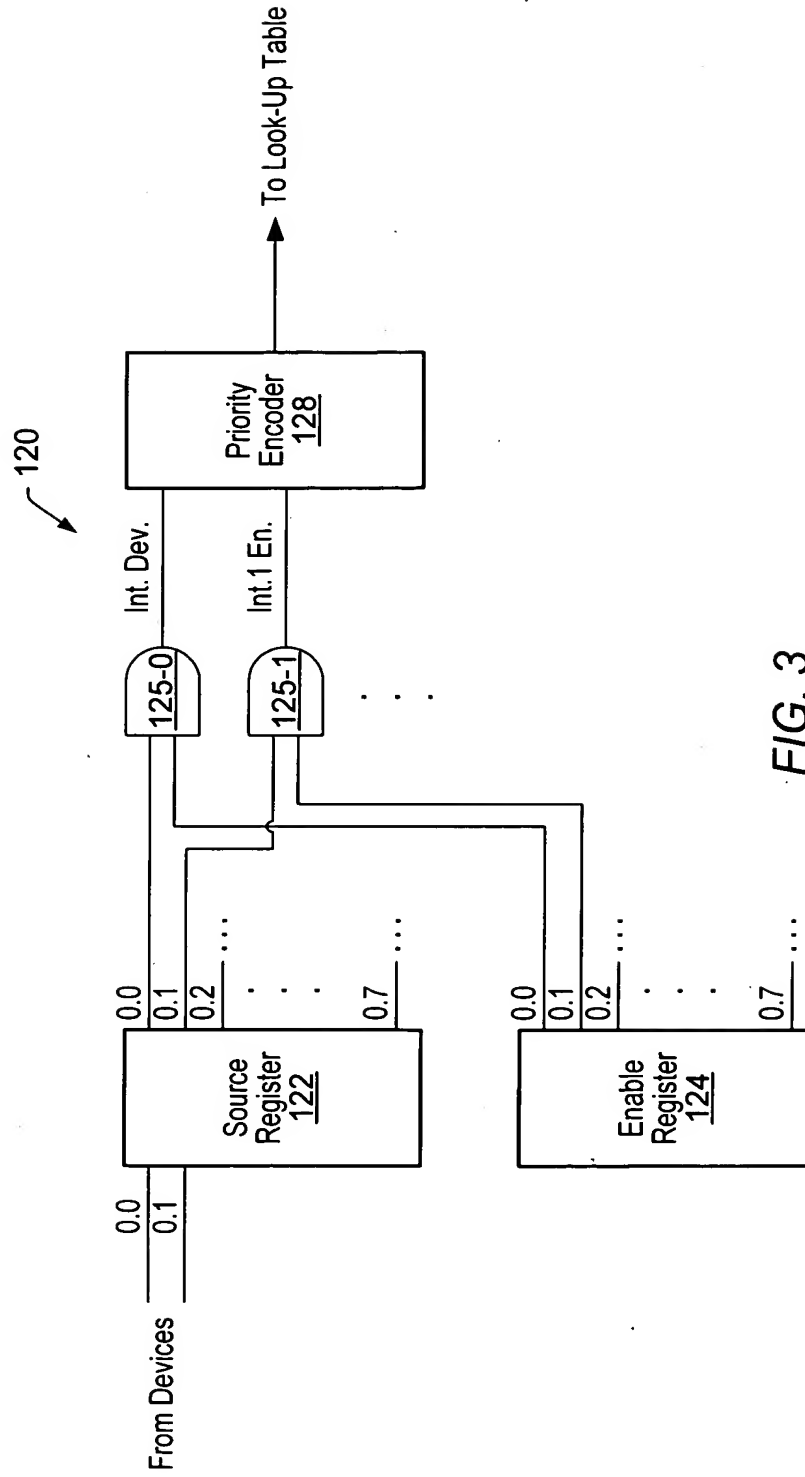


FIG. 1





405

Addr	Instruction	Bytes	Cycles	
53	LJMP (IRQ0JT+offset)	3	4	(IRQ4JT+offset) is set by the IRQ state machine based on the active sub-IRQ4 interrupt
54	-			
55	-			
56	-			
57	-			
58	-			
59	-			
5A	-	-	-	

410

Addr	Instruction	Bytes	Cycles	Comment
IRQ4JT				IRQ4 Jump Table The location of this table is fixed by hardware and cannot be moved.
+00	LJMP IRQ4.0	3	4	IRQ4 Bit 0 service routine
+04	LJMP IRQ4.1	3	4	IRQ4 Bit 1 service routine
+08	LJMP IRQ4.2	3	4	IRQ4 Bit 2 service routine
+0C	LJMP IRQ4.3	3	4	IRQ4 Bit 3 service routine
+10	LJMP IRQ4.4	3	4	IRQ4 Bit 4 service routine
+14	LJMP IRQ4.5	3	4	IRQ4 Bit 5 service routine
+18	LJMP IRQ4.6	3	4	IRQ4 Bit 6 service routine
+1C	LJMP IRQ4.7	3	4	IRQ4 Bit 7 service routine
+20	LJMP IRQ none	3	4	No IRQ4's are active-go to a null routine. This could have just a RETI or other processing.

FIG. 4A

Modify ROM Code Table

Addr	Instruction	Bytes	Cycles	
53	LJMP (EIRQ4)	3	4	(EIRQ4) is the entry into the extended Jump table.
54	-			
55	-			
56	-			
57	-			
58	-			
59	-			
5A	-	-	-	

Addr	Instruction	Bytes	Cycles	Comment
				The location of this table is fixed by hardware and cannot be moved. there is a table similar to this for each interrupt
EIRQ0	LJMP (IRQ0JT+offset)	3	4	
EIRQ1	LJMP (IRQ1JT+offset)	3	4	
EIRQ2	LJMP (IRQ2JT+offset)	3	4	
EIRQ3	LJMP (IRQ3JT+offset)	3	4	
EIRQ4	LJMP (IRQ4JT+offset)	3	4	Jump to offset into IRQ4JT
EIRQ5	LJMP (IRQ5JT+offset)	3	4	
EIRQ6	LJMP (IRQ6JT+offset)	3	4	
EIRQ7	LJMP (IRQ7JT+offset)	3	4	
EIRQN	LJMP (EIRQN+offset)	3	4	No interrupt is active, jump to a null routine.

FIG. 4B

Addr	Instruction	Bytes	Cycles	Comment
EIRQ0				IRQ4 Jump Table The location of this table is fixed by hardware and cannot be moved. There is a table similar to this for each interrupt.
+00	LJMP IRQ4.0	3	4	IRQ4 Bit 0 service routine
+04	LJMP IRQ4.1	3	4	IRQ4 Bit 1 service routine
+08	LJMP IRQ4.2	3	4	IRQ4 Bit 2 service routine
+0C	LJMP IRQ4.3	3	4	IRQ4 Bit 3 service routine
+10	LJMP IRQ4.4	3	4	IRQ4 Bit 4 service routine
+14	LJMP IRQ4.5	3	4	IRQ4 Bit 5 service routine
+18	LJMP IRQ4.6	3	4	IRQ4 Bit 6 service routine
+1C	LJMP IRQ4.7	3	4	IRQ4 Bit 7 service routine
+20	LJMP IRQ none	3	4	No IRQ4's are active-go to a null routine. This could have just a RETI or other processing.

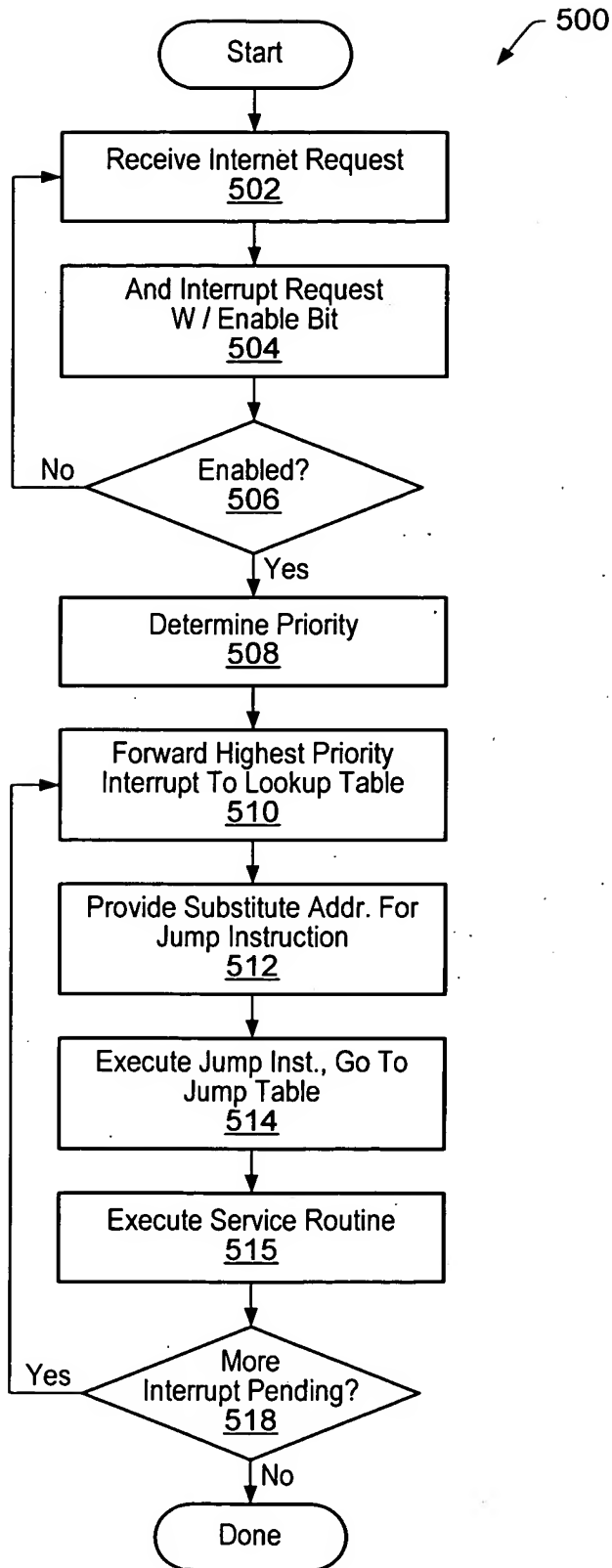


FIG. 5